

REMARKS

Claims 75-111 are all the claims pending in the application. This Amendment amends independent claims 75, 88, and 101, adds dependent claims 110 and 111, and addresses each point of rejection raised by the Examiner.

The amendments made herein are inclusive of the Examiner's Amendment in the Notice of Allowance dated August 13, 2004.

Applicants thank the Examiner for acknowledging the Information Disclosure Statement mailed April 4, 2005.

As a preliminary matter, a factual mistake appears in the "Background of the Invention" section of the application in the paragraph bridging pages 12-13 in the discussion of "Effect of Thin Gold Interstitial-layer on the Photovoltaic Properties Of Tandem Solar Cell" by Hiramoto et al. Specifically, at page 13, line 14, of the application, Au layer 2D05 is described as a "charge transfer layer." This is technically inaccurate. The layer should be characterized as a "recombination layer," as disclosed on pages 5 and 6 of the Hiramoto paper. A copy of the Hiramoto paper, which was originally submitted in the Information Disclosure Statement dated December 21, 2001, is submitted herewith for the Examiner's convenience. Recombination layers and charge transfer layers work in different ways: a charge transfer layer is a conduit for charge carriers to travel through, whereas a recombination layer provides a site where carriers (electrons and holes) recombine. Physically, recombination layers are thinner than charge transfer layers. Entry of the change to the specification is respectfully requested.

Applicants thank the Examiner for the indication that claims 86, 99, and 106 would be allowed if rewritten in independent form. Applicants request that the rewriting of these claims be held in abeyance until the Examiner has had the opportunity to reconsider the allowability of parent claims 75, 88, and 101 as amended herein.

Rejections in the pending Action are based upon the English language abstract for Japanese Published Application S63-300576, which applicants submitted in the Information Disclosure Statement mailed April 4, 2005. In view of the Examiner's rejections, Applicants had a translation prepared for JPA S63-300576. The translation is submitted herewith.

Applicants have amended independent claims 75, 88, and 101 to further characterize the subcells as comprising a heterojunction between two organic semiconductor materials. In

comparison, the structures in JPA S63-300576 cited by the Examiner as corresponding to the subcells each consist of a organic single layer. Reconsideration on the merits is respectfully requested.

Applicants authorize the Commissioner to charge any fees determined to be due with the exception of the issue fee and to credit any overpayment to Deposit Account No. 11-0600.

The Examiner is invited to contact the undersigned at (202) 220-4209 to discuss any matter concerning this application.

Respectfully submitted,
KENYON & KENYON

Dated: November 16, 2005



David A. Klein
Reg. No. 46,835

Kenyon & Kenyon
1500 K Street, N.W.
Suite 700
Washington, D.C. 20005
Tel: (202) 220-4200
Fax: (202) 220-4201

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